

Clean version of all pending claims

1. A chimeric isoprenoid synthase polypeptide, comprising a first isoprenoid synthase polypeptide joined to a second, different isoprenoid synthase polypeptide.
2. The chimeric isoprenoid synthase polypeptide of claim 1, wherein said chimeric isoprenoid synthase polypeptide catalyzes the production of an isoprenoid reaction product that is not produced in the absence of said second, different isoprenoid synthase polypeptide.
3. The chimeric isoprenoid synthase polypeptide of claim 1, wherein said chimeric isoprenoid synthase polypeptide catalyzes the production of an isoprenoid reaction product that is produced in the absence of said second, different isoprenoid synthase polypeptide.
4. (Amended) The chimeric isoprenoid synthase polypeptide of claim 1, wherein said chimeric isoprenoid synthase polypeptide catalyzes the production of at least two different isoprenoid reaction products.
5. The chimeric isoprenoid synthase polypeptide of claim 1, wherein said first isoprenoid synthase is from a plant isoprenoid synthase and said second, different isoprenoid synthase is from a plant isoprenoid synthase.